

# Bird specimens from the Leverian Museum: documentation and present holdings at the NMW<sup>1</sup>

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**Abstract:** Documentation and present NMW holdings of bird specimens from the Leverian Museum are critically discussed. The dating of relevant entries in the acquisition book of the bird collection has been revised and label data of all extant specimens checked. In the appendix 276 specimens acquired by Leopold v. Fichtel during the auction of the Leverian Museum in 1806 are listed together with their relevant numbering. Of these 85 specimens had been lost or destroyed before 1873 and another 13 could not be traced during the revision in 2003.

**Key words:** Birds, Leverian Museum, Leopold von Fichtel, historic bird specimens, Natural History Museum Vienna.

## Introduction

When the world famous collections of the Leverian Museum<sup>2</sup> were sold by auction in 1806, one of the most notable bidders was Leopold von Fichtel, "purchasing for the Imperial Museum Vienna" (Sale Catalogue 1806, Appendix: F). Besides 210 ethnographical objects from James Cook's circumnavigations (FITZINGER 1868: 66, note 2), now housed in the Museum für Völkerkunde, Wien, especially bird specimens had been acquired for the "Thier-Cabinet" of Emperor Franz I<sup>3</sup>, which had been founded in 1796. The zoological objects purchased by Fichtel are comparably well documented in an extant copy of the Sale Catalogue with (incomplete) annotations of prices and purchasers as well as by the entries in the book of acquisitions for 1806 in the bird collection of the Natural History Museum Vienna (NMW). Additional information is provided from an undated letter from FICHTEL (= London, May 16th, postea) to Carl v. Schreibers, Director of the Imperial Cabinet.

PELZELN (1873) published an annotated list enumerating 233<sup>4</sup> taxa (256 specimens), of which, however, 74 taxa (87 specimens) had already been either deliberately

destroyed (due to bad condition), lost or given away in exchange. In his paper PELZELN made no reference to acquisition numbers which rendered subsequent identification of individual specimens examined by him sometimes difficult. Interestingly only a few of the specimens cited as "types" by PELZELN in 1873 have later been actually listed by PELZELN & LORENZ (1886-1888), indicating that at least some of them could not be located in the collection at that time. Accordingly many of the specimens from the Museum Leverianum in the NMW bird collection have been presumed to be lost (e.g. SCHODDE & MASON 1997) and a thorough investigation of present holdings and their documentation was therefore desirable. Comments on their actual type status are provided by SCHIFTER et al. (2004 in press).

## Documentation

Since 1806 all specimens newly acquired have been entered (together with their accompanying data) in the book of acquisitions for the bird collection<sup>5</sup>. The first volume 1806-1823 (parts I-XCIV) enumerates 5322 specimens. Relevant entries that include specimens marked "Fichtel" may be grouped in seven sections:

<sup>1</sup> This modest contribution is dedicated with great respect and gratitude to Univ.-Prof. Dr. Horst Aspöck, a man whose far-ranging scientific activities have long included an avid interest in issues of curatorial research and the history of science.

<sup>2</sup> Named after its founder Sir Ashton Lever (1729-1788). The museum opened March 1775 in Leicester Square, London, and in 1784 contained already 2,654 bird specimens in 1,972 glass cases (SMITH 2003). The material went by lottery to the lawyer James PARKINSON in 1786, who sold the complete and meanwhile considerably enlarged holdings in 1806. See also LARGEN (1987) and WALTERS (2004).

<sup>3</sup> Franz II of Austria after his resignation in 1806

<sup>4</sup> 236 numbers, but *Sarcoramphus gryphus* [= *Vultur gryphus* L.], *Tatara longirostris* [= *Acrocephalus caffer longirostris*] and *Garrulax sinensis* [= *G. c. chinensis*] have been listed twice.

<sup>5</sup> Inscribed: Consignationes specifice officiales Collectionis Avium ab anno 1806 et Acquisitionum singularum ab 1806 usque ad 1824. Nro. I-XCIV.

The old collection („Ursprünglicher Bestand“ pre 1806), acquisition numbers 1806.I.1.-1806.I.804. Numbers are sometimes subdivided by letters to indicate different plumages or male and female individuals. Specimens listed are supposed to have been acquired for the Imperial Collection between 1796 and 1806.

Appendix ad I („Nachtrag zum ursprünglichen Bestand der Sammlung“), numbers App. 1806.I.1.-App. 1806.I.125.

Purchase from Fichtel, March 1806 („Von Herrn v. Fichtel durch Kauf“), numbers 1806.II.1.-1806.II.57. Additional numbers in brackets (1-58, not continuous) refer to Fichtel's numbering.

The Leverian Collection („Aus der Auction des Musei Leveriani in London durch L. v. Fichtel gekauft“), numbers 1806.III.1.-1806.III.186. Some numbers marked by an asterisk, indicating purchase from individual dealers (footnote \* „einzelnen von Händlern erstanden“). Additional numbers in brackets (2-325, not continuous) refer to Fichtel's numbering.

Purchase from Fichtel, numbers 1807.V.1.-1807.V.90. Additional numbers in brackets refer to Fichtel's numbering (From Georgia 1-52, from Cayenne 1-20, from Brazil 21-47, from [Museum] Paris: 7 specimens without numbers).

Purchase from Fichtel, numbers 1809.XVII.1.-1809.XVII.107. Additional numbers in brackets (1-73, not continuous) refer to Fichtel's numbering.

Donation from Fichtel, numbers 1809.XVIII.1.-1809.XVIII.29 d.

Labelling of specimens was usually roughly contemporary with the relevant entries in the acquisition book. Scientific name, entry number and further data have been transcribed on oval slips of strong paper and glued to the lower side of the wooden pedestals. With nomenclatural changes, however, labels have been sometimes changed in the past. At least in some cases Pelzel in his time had access to additional label data since lost. Some dates and localities are only mentioned in the hand-written manuscript for his 1873 publication, which can be found neither on extant labels nor in the acquisition book. Modern labels and inventory numbers were invented in 1890 by the curator L. Lorenz v. Liburnau, beginning with NMW 10.001, but no systematical or chronological concept was followed when inventoring the collection. Between 1900 and 1950 most of the originally mounted specimens had been relaxed and includ-

ed in the collection of study skins, their old labels having usually been preserved alongside with the new labels. Only in very few instances have labels been lost or confused, practically all of which cases could be solved without doubt and the original labelling or set of data restored.

## Results

The accurate number of birds purchased by Fichtel from the Leverian Museum, whether directly at the auction or subsequently from natural history dealers, remains unknown. The annotated Sale Catalogue has on the last page the hand-written remark: "Edward Donovan and Leopold von Fichtel were by far the largest purchasers, as Donovan bought about 500 lots and von Fichtel just over 400." This figure is obviously incorrect and refers probably only to zoological objects, neglecting the ethnographical collection. For 108 bird specimens Fichtel is expressly named as purchaser. About one third of the birds listed in the Sale Catalogue, however, lack contemporary annotations completely, although it is unlikely that they had not been sold. At least 52 of these specimens without original reference to prices or purchasers have obviously been bought by Fichtel, most of them still extant in the bird collection NMW. Some later entries (? post 1909) already quoted PELZELN's 1873 paper.

FITZINGER (1868: 28), who was well acquainted with the holdings of the Naturalien-Cabinet, mentioned that 204 birds had been acquired by Fichtel from the Leverian collections<sup>6</sup> and another 320 from different sources. Fichtel's own numbering (arranged irregularly in the acquisition book) runs from 1-325, omitting however a total of 69 numbers<sup>7</sup>, which probably have been used for mammals<sup>8</sup>. Still the possibility cannot be excluded that the missing numbers originally referred to birds that have erroneously been listed under 1806.I. in the acquisition book (see discussion below).

Annotations in the sale catalogue and entries in the NMW acquisition book are not concordant throughout. For example, sale lot nr. 207 (Appendix, second day) is marked "Fichtel" in the sale catalogue, whereas the relevant entry in the NMW acquisition book is "1806.III.161.\* (Fichtel nr. 186) *Parkinsonia superba* [= *Menura n. novaehollandiae*], indicating purchase from a dealer. Supposedly subsequent dealings (or wrong attributions) are documented elsewhere as well (TICEHURST 1909: 113): the sale catalogue gives "Fichtel" as the purchaser of a "curious charadrius" (= *Cursorius c. cursor*),

<sup>6</sup> "82 mammals, 204 birds, 60 reptiles and 73 fishes, mostly from the South Seas, besides many other natural history objects ... most of them not only very rare but in those times the only specimens known." (translated from Fitzinger l.c.)

<sup>7</sup> Missing numbers: 44-49, 59-64, 66, 69, 159-162, 165-167, 177-178, 180-181, 183, 187, 191, 193, 201, 206, 230, 232-240, 243-247, 263, 284-285, 287, 290-291, 294, 302, 317-320, 322, 324.

<sup>8</sup> Unfortunately no Fichtel numbers are mentioned in the entries or relevant labels of the mammalia collection NMW (pers.comm. Dr. B. Herzig, 19.3.2004).

which eventually was later bought by Donovan. The matter is dealt with in detail in a later annotation to lot nr. 6349 of the Sale Catalogue quoting TICEHURST (l.c.). FICHTEL himself wrote immediately after the 11th day of the sale (May 16th, 1806) about dealings with John Latham, T. Hall and others, that had acquired specimens during the ongoing auction (autograph collection ÖNB, 21/35-1).

Considering the above mentioned inconsistencies it seems most probable that PELZELN's (1873) list comes rather near the truth, although he obviously did not recognize a number of specimens erroneously numbered among entries 1806.I. and 1809.XVII. Of the 169 specimens listed by PELZELN (1873) as extant in the collection NMW only a few could not be traced during the 2003 revision and must accordingly be considered to be lost (see appendix).

## Discussion

When PELZELN compiled his annotated list in 1873 he considered only parts 1806.II. and 1806.III. of the acquisition book to contain material originating from the Leverian Museum. But contrary to Pelzel's opinions and current understanding the so called "old inventory" of pre 1806 holdings (1806.I. and App. 1806.I. see above: documentation 4) has in fact been compiled at a later date and is not contemporary with the other 1806 entries. This is evident from the hitherto overlooked use of the name *Picus fuscescens* (1806.I.469 a), obviously the taxon described by VIEILLOT in 1816, as well as by two entries "from Paris 1809" (App. 1806.I.88., App. 1806.I.92.). The actual date of the draft is not clear but it may have been drawn up (? or re-written) between 1820 and 1823. At least part of the bird specimens purchased by Fichtel had been stored away in a side room together with the ethnographical objects of the James Cook collection (FITZINGER 1868: 66). This would easily explain why some of the Leverian birds have been listed under the (erroneous) heading of the "old collection".

Furthermore the date "March 1806" given for entry 1806.II. of the acquisition book is clearly fictitious, antedating the beginning of the auction of the Leverianum by two months<sup>9</sup>. Most probably the entry was in fact effectuated late in 1806 or early 1807, although even a later date cannot be absolutely excluded. Entries for specimens originally not properly identified are accompanied by Cabinet identifications, which latter must be dated between 1820 and 1823 as indicated by the name "*Psittacus Brownii* KUHL", which was first published in 1820. These later entries are not clearly differentiated, which suggests that the relevant pages may possibly have been copied about that time and additional identifications inserted.

PELZELN's doubts (1873: 15) about specimens probably purchased separately from natural history dealers and possibly not originating from the auction were based on the ominous mark "\*" (see above: documentation 4) in the acquisition book. The ink and handwriting in the footnote, however, differ slightly from the running entries and represent most likely a later addition from questionable sources. Of the 71 specimens marked with an asterisk about 30 (labelled "Dalrymple Bay" [= Port Dalrymple, Tasmania; now Tamar estuary near Launceston] or "Nova Hollandia") have been mentioned as a separate lot by Fichtel in his letter. They have been purchased at an average of "£ 1.1 von Mr. Latham" and could not be traced in the sale catalogue, indicating that they came from Latham's private collection<sup>10</sup> and not from the Leverian Museum. At least part of them had obviously been collected during the Flinders Expedition 1801-1805. Contrary to contemporary usage date of collection and iris colouration are indicated for a few of these specimens either on the extant old labels or in PELZELN's 1873 manuscript. For example NMW 36.088 *Ptilonorhynchus v. violaceus* was "shot in April 1802, iris black", or NMW 43.833 "*Manorhina melanophrys* in August 1802". They might originally have been collected or purchased by the botanist Robert Brown, who donated some birds to the British Museum, or by Ferdinand Lucas Bauer, who also had experience in preserving specimens (SCHIFTER 1992). The latter is expressly mentioned by Fichtel in his letter stating that he received a specimen of *Calyptrorhynchus banksii* (= *C. lathamii*) in exchange from him against a small gratification.

Fichtel's numbering, however, and the composition of taxa compared with the sale catalogue, strongly suggest that most of the specimens listed in 1806.II. and 1806.III. had originally belonged to the Leverian Museum. In the margin of Fichtel's letter Schreiber's noted ten dealers along with sums already spent. Among them Donovan (£ 19), Lewin (£ 12.12) and Pennant (£ 12.12 v 3.3) are expressly named "for birds". As Fichtel in his letter repeatedly mentioned the "gratifications" he had to spend, the mark "\*" may in fact only indicate, when the money spent by Fichtel differed from the actual price achieved for a specimen at the auction. The subsequent splitting of the material under two headings in the acquisition book was obviously due to different shipments and the entries have most probably been based not on specimen labels but on lists drawn up by Fichtel, which have since been lost or destroyed.

Although Fichtel's name only rarely turns up in the old inventory 1806.I., many of the extant old labels bear the inscription "from Fichtel". Interestingly most of the specimens marked that way originate from "Nova Hollandia", "South Seas" or New Zealand. Fichtel's biogra-

<sup>9</sup> The reference probably indicates that a credit account was made available for Fichtel in March 1806.

<sup>10</sup> Expressly stated "mostly non-descripts" in Fichtel's letter

phy (KIRCHMAYER 1961, RÖGL 1992) gives absolutely no clue that Fichtel could have acquired specimens from that region, which must consequently have been purchased during his stay in London in 1806, and comprise at least in part specimens from the Leverian Museum. Indeed PELZELN (1873: 109, footnote) has already observed that NMW 52.122 (1806.I.129. *Foulehaio c. caruncularius*) "may perhaps have been in the Leverian Museum." As exactly this bird is mentioned in Fichtel's letter (Sale Cat. "nr. 1035 Wattled Bee-eater") there can be no doubt about its origin. Another almost certain proof that some of Fichtel's specimens had been confused was not noticed by PELZELN (1873): Two specimens of which he remarked "could not be found" are separately entered a second time in the old inventory. Both are still extant and bear their old labels marked "from Fichtel": *Psittacus purpuratus* [= *Touit p. purpuratus* (App. 1806.I.94.)] and Edwards "Sparrow of Paradise" [= *Amadina erythrocephala* (1806.I.202.)]. The same applies to another specimen, obviously not seen by Pelzel and misidentified from the entry in the acquisition book: Sale Cat. nr. 5875 *Oriolus minor* var. (*Nesopsar nigerrimus* sensu PELZELN (1873: 28) represents in fact *Euphagus c. carolinus* listed in App. 1806.I.90. (sub *Icterus niger*). HELLMAYR (1937: 94, footnote 2) was convinced that the specimen originated from the Leverian Museum but failed to notice the misidentification: "Accidentally omitted in Pelzel's paper ..." This latter remark holds true for another three specimens of the same taxon, most probably obtained by Fichtel from the Leverian Museum but included in entries 1806.I.610. / 610 a and 1809.XVII.34. (sub *Oriolus niger*): they obviously represent Sale Cat. nr. 313 "Three black starlings from Hudson's bay" (compare also HELLMAYR 1937: 95). Although there is no absolute proof, most of the specimens listed under the head 1809.XVII., and also some under 1809.XVIII., had very likely been originally acquired in 1806 by Fichtel and sold later to the Imperial Cabinet in 1809. A typical example is NMW 49.637 (*Accipiter cirrhocephalus torquatus*, female, 1809.XVII.1. Nova Hollandia). Interestingly a second specimen (NMW 49.638, male), practically identical in the style of preparation, has been entered under 1806.I.67 d. and may well have been purchased together with the first. Likewise *Entomyzon cyanotis* is represented by two specimens (NMW 52.317 male, NMW 35.334 female), which have been entered under the headings 1806.I.601. and 1809.XVII.75. respectively. It is however impossible at present to trace whether they actually belonged to the Leverian Museum or had been acquired from independent (and unknown) sources in England.

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## Zusammenfassung

Vögel aus dem Museum Leverianum: Dokumentation und derzeitiger Bestand am NMW. Basierend auf dem kommentierten Auktionskatalog von 1806, einer ersten Bearbeitung von PELZELN (1873) und unpublizierten Archivdaten der Vogelsammlung und der Österreichischen Nationalbibliothek werden Dokumentationslage, Datierung der Einträge im Acquisitionsbuch und Bestand kritisch diskutiert. Im Appendix werden 276 Exemplare nach Überprüfung der Bestimmung und der erhaltenen Etiketten mit den relevanten Daten aufgelistet. Davon waren 85 Exemplare bereits vor 1873 ausgeschieden worden oder verloren gegangen, weitere 13 konnten während der Revision 2003 nicht aufgefunden werden.

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## Appendix

-(1)- not found in 1873

-(2)- not found in 2003

? attribution possibly doubtful

Names under " " are given as listed in the Sale Cat./Acquisition book, otherwise nomenclature follows DICKINSON (2003)<sup>11</sup>.

v. FICHEL'S (1873) Nr.	NMW Acqu. Nr.	v. PELZELN'S (1873) Nr.	Taxon	Sale Cat. Nr.	NMW Inv. Nr.
1	1806.II.5.	188	<i>Pteroglossus v. viridis</i>	? 4097 Thompson	55.670
2	1806.II.57.	201	<i>Melanerpes flavifrons</i>	2435	-(1)-
2	1806.III.1.	77	<i>Rhea americana</i>	1420 Fichtel	-(2)-
3	1806.II.4.	191	" <i>Brotogeris virescens</i> "	not traced	-(1)-
4	1806.II.6.	180	<i>Perisoreus infaustus</i>	? 2305 Swainson	-(2)-
5	1806.II.45.	122	<i>Accipiter n. novaehollandiae</i>	? 2219	49.602
6	1806.II.36.	236	<i>Phalacrocorax melanoleucos</i>	? 533 Cole	49.551
7	1806.II.50.	230	<i>Anas superciliosa</i>	? 5740	-(1)-
8	1806.III.2.	89	<i>Mycteria americana</i>	4098 Fichtel	-(2)-
8	1806.II.21.	219	<i>Ajaia ajaja</i>	3144 Sivers	-(1)-
9	1806.II.10.	199	<i>Celeus e. elegans</i>	6054	57.519
10	1806.II.28.	23 (154)	<i>Acrocephalus caffer longirostris</i>	not traced	51.499
11	1806.II.18.	205	<i>Leptotila r. rufaxilla</i>	? 1108 Laskey	38.347
12	1806.II.32.	172	<i>Tityra cayana</i>	not traced	-(1)-
(12)	1806.II.57.	201	<i>Melanerpes flavifrons</i>	not traced	-(1)-
13	1806.II.14.	164	<i>Gymnophaps rufigula</i>	not traced	-(1)-
14	1806.II.12.	151	<i>Cyphorhinus a. arada</i>	not traced	64.387
15	1806.II.25.	155	" <i>Petroica erythrogastra</i> "	2787 Fichtel	-(1)-
16	1806.II.35.	149	<i>Daphoenositta c. chrysoptera</i>	6587 Martin	-(2)-
17	1806.II.17.	130	<i>Tachycineta albiventer</i>	5849	64.094
18	1806.II.40.	144	<i>Melithreptus l. lunatus</i>	not traced	52.032
19	1806.II.15.	184	<i>Neochmia temporalis</i>	not traced	52.420
(20)	1806.II.37.	137	" <i>Meliphaga novaehollandiae</i> "	not traced	-(1)-
21	1806.II.51.	211	<i>Coturnix chinensis</i> ♂	not traced	71.464

<sup>11</sup> This thoroughly updated world check-list includes author's names and year of description for all taxa, which have been omitted in the present paper for reasons of space and readability.

V. FICHTEL'S (1873) Nr.	NMW Acqu. Nr.	V. PELZELN'S (1873) Nr.	Taxon	Sale Cat. Nr.	NMW Inv. Nr.
22	1806.II.51.a	211	<i>Coturnix chinensis</i> ♀	not traced	71.465
23	1806.II.13.	166	<i>Rhipidura leucophrys</i>	not traced	? 51.231
24	1806.II.30.	- (142)	<i>Philemon c. corniculatus</i>	2779 Thompson	52.345
25	1806.I.186. = ? 1806.II.25.	186	<i>Euphonia v. violacea</i>	1033	? 16.247
26	1806.II.42.	170	<i>Elaenia martinica</i>	? 373 Donovan	-(1)-
27	1806.II.7.	29 (158)	<i>Garrulax c. chinensis</i> ♀	not traced	4.237
28	1806.II.9.	147	<i>Xiphorhynchus p. pardalotus</i>	not traced	16.111
29	1806.II.3.	192	" <i>Domicella taitiana</i> "	4748 Vaughan	-(1)-
30	1806.II.54.	181	<i>Agelaius p. phoeniceus</i>	538	70.016
31	1806.II.39.	171	<i>Pitangus s. sulphuratus</i>	? 1109 Sivers	18.099
32	1806.II.26.	174	<i>Manacus manacus gutturosus</i>	not traced	16.918
33	1806.II.43.	162	" <i>Oriolus viridis</i> "	? 6172	-(1)-
34	1806.II.37.	137	" <i>Meliphaga novaehollandiae</i> "	not traced	-(1)-
34	1806.II.38.	141	<i>Anthochaera c. carunculata</i>	not traced	-(1)-
35	1806.II.48.	214	<i>Haematopus unicolor</i>	438 Fichtel	? 49.038
36	1806.II.46.	120	<i>Buteo lineatus alleni</i>	? 872 Soames	40.111
37	1806.II.49.	227	<i>Nettapus coromandelis albigularis</i>	not traced	49.361
38	1806.II.33.	235	<i>Phalacrocorax sulcirostris</i>	not traced	13.504
39	1806.II.22.	218	<i>Nyctanassa v. violacea</i>	not traced	47.601
40	1806.II.55.	217	<i>Tigrisoma l. lineatum</i>	37 last day but two Fichtel	-(1)-
41	1806.II.44.	215	<i>Egretta novaehollandiae</i>	not traced	49.293
42	1806.II.24.	222	<i>Recurvirostra n. novaehollandiae</i>	? 2212 Burchell	49.152
43	1806.II.34.	132	" <i>Merops badius</i> "	not traced	-(1)-
(44-49)			numbers not traced		
50	1806.II.53.	212	<i>Dromaius n. novaehollandiae</i>	2700 Hall	73.217
51	1806.III.177.	1	<i>Vultur gryphus</i> ♂	34 last day	45.810
51	1806.II.1.	117	<i>Vultur gryphus</i> ♀ <sup>12</sup>	not traced	45.811
52	1806.II.2.	118	<i>Gypohierax angolensis</i>	2059 Fichtel	84.462
52	1806.II.56.	229	<i>Aix galericulata</i> ♂	30 last day	not traced
53	1806.II.23.	220	<i>Eudocimus ruber</i>	417 ? Jennings	-(2)-
54	1806.II.19.	208	<i>Lophophorus impejanus</i>	5621 Fichtel	-(1)-
55	1806.II.20. = Suppl. 351.	207	<i>Polyplectron b. bicalcaratum</i>	50 last day but two Fichtel	71.087
56	1806.II.11.	134	<i>Galbula d. dea</i>	4485 Vaughan	55.879
57	1806.II.31.	139	<i>Prothemadera n. novaeseelandiae</i>	4830 Fichtel	52.255
58	1806.II.16.	152	<i>Malurus cyaneus cyaneoclamys</i>	? 1032 Vaughan	57.566
(59-64)			numbers not traced		
65	1806.III. add.		" <i>Myzterea australis</i> "	not traced	not traced
(66)			number not traced		
67	1806.III.3.	83	<i>Grus antigone</i>	2225	47.526
68	1806.III.4.*	126	<i>Macrodipteryx longipennis</i>	? Latham coll.	47.678
(69)			number not traced		
70	1806.III.5.	46	<i>Buceros rhinoceros</i>	2227	-(1)-
71	1806.III.6.	71	<i>Meleagris gallopavo silvestris</i>	1852 Fichtel	? 70.943
72	1806.III.7.	82	<i>Grus canadensis</i>	1754 Fichtel	9.648
73	1806.III.8.	96	<i>Plectropterus gambensis</i>	1755 Fichtel	-(1)-
74	1806.III.9.	87 ♂	<i>Cochlearius cochlearius</i>	5140 Fichtel	-(1)-
75	1806.III.10.	87 ♀	<i>Cochlearius cochlearius</i>	2229 Fichtel	-(1)-
76	1806.III.11.	41	<i>Ploceus melanocephalus capitalis</i>	4415 Fichtel	43.002
77	1806.III.12.	44	<i>Spindalis zena</i>	1282 Fichtel	-(1)-
78	1806.III.13.	11	<i>Cymbirhynchus m. macrorhynchus</i>	3400 Fichtel	67.238

<sup>12</sup> Possibly purchased directly from Parkinson. Fichtel's letter documents negotiations in that direction.

v. FICHEL'S (1873) Nr.	NMW Acqu. Nr.	v. PELZELN'S (1873) Nr.	Taxon	Sale Cat. Nr.	NMW Inv. Nr.
79	1806.III.14.	19	<i>Psittirostra psittacea</i>	4270 Fichtel	50.732
80	1806.III.15.	104	<i>Brachyramphus marmoratus</i>	5366 Fichtel	53.422
81	1806.III.16.	50	<i>Cyanoramphus n. novaezelandiae</i>	3510 Fichtel	50.371
82	1806.III.17.	35	<i>Cyanocorax cayanus</i>	5491 Fichtel	-(1)-
83	1806.III.18.	20	" <i>Meliphaga phrygea</i> "	not traced	-(1)-
84	1806.III.19.*	233	<i>Gygis alba candida</i>	5735	48.968
85	1806.III.19.a*	233	<i>Gygis alba candida</i>	5735	48.969
86	1806.III.20.	27	<i>Copsychus s. saularis</i>	3917 Fichtel	9.340
87	1806.III.21.	74	<i>Colinus c. cristatus</i>	3919 Fichtel	38.056
88	1806.III.22.	9	<i>Strix n. nebulosa</i>	4435 Fichtel	20.711
89	1806.III.23.	108	<i>Stercorarius parasiticus</i>	1045 Fichtel	-(1)-
90	1806.III.24.	80	<i>Chionis a. alba</i>	4942 Fichtel	-(2)-
91	1806.III.25.*	200	<i>Celeus t. torquatus</i>	310 Vaughan	57.612
92	1806.III.26.*	129	<i>Hirundapus c. caudacutus</i>	867 Newman	46.991
(93)			number not traced		
94	1806.III.27.	54	<i>Mascarinus mascarinus</i>	5828	50.688
95	1806.III.28.	75	<i>Alectoris r. rufa</i>	6011	38.173
96	1806.III.29.*	209	<i>Tympanuchus cupido</i>	4494 Fichtel	-(1)-
97	1806.III.30.*	213	<i>Crypturellus v. variegatus</i>	? 5814	20.510
98	1806.III.31.	62	<i>Scythrops n. novaehollandiae</i>	2783 Fichtel	50.955
99	1806.III.32.*	187	<i>Colius s. striatus</i>	not traced	31.156
100	1806.III.33*	159	<i>Dicrurus h. hottentotus</i>	not traced	? 70.880
101	1806.III.34.	72	<i>Rollulus rouloul</i>	6100	71.019
102	1806.III.41.	95	<i>Porphyrio alba</i>	2782 Fichtel	50.761
103	1806.III.35.	78	<i>Tinamus major</i>	6022	-(2)-
104	1806.III.36.	115	<i>Pelecanus occidentalis fuscus iuv.</i>	1411 Hall	? 13.772
105	1806.III.37.	97	<i>Anser c. caerulescens</i>	? 881 Vaughan	35.448
106	1806.III.38.	116	<i>Fregata aquila</i>	376 Fichtel	47.077
107	1806.III.39.	112	<i>Phalacrocorax p. punctatus</i>	5277 Fichtel	-(1)-
108	1806.III.40.	8	<i>Pulsatrix perspicillata</i>	3069 Fichtel	-(2)-
109	1806.III.42.	91	<i>Geronticus calvus</i>	740 Fichtel	-(1)-
110	1806.III.43.	103	<i>Fratercula cirrhata</i>	1297 Fichtel	53.443
111	1806.III.44.	69	<i>Caloenas n. nicobarica</i>	4828 Fichtel	47.221
112	1806.III.45.	18	<i>Drepanis pacifica</i> ♂	2790 Fichtel	50.735
113	1806.III.45.a	18	<i>Drepanis pacifica</i> ♀	2790 Fichtel	AMNH <sup>13</sup>
114	1806.III.46.	101	<i>Anas b. bahamensis</i>	2572 Fichtel	39.704
115	1806.III.47.	3	<i>Phalacroboenus australis</i>	2219 Fichtel	44.269
116	1806.III.48.	92	<i>Gallirallus philippensis ecaudatus</i> ♂	5384 Fichtel	48.576
117	1806.III.48.a	92	<i>Gallirallus philippensis ecaudatus</i> ♀	5384 Fichtel	71.126
118	1806.III.49.*	156	? <i>Monticola s. saxatilis</i>	? 5392	-(1)-
119	1806.III.50.	67	<i>Zenaida aurita zenaida</i> ♂	3131 Fichtel	9.061
120	1806.III.50.a	67	<i>Zenaida aurita zenaida</i> ♀	5380 Fichtel	-(1)-
121	1806.III.51.	48	<i>Prosopeia t. tabuensis</i>	4747 Fichtel	50.243
122	1806.III.52.	53	<i>Nestor m. meridionalis</i>	5132 Fichtel	41.026
123	1806.III.53. = I.App.94.	56	<i>Touit p. purpuratus</i>	5377 Fichtel	41.265 -(1)-
124	1806.III.54.*	190	<i>Brotogetis ch. chrysopterus</i>	not traced	41.029
125	1806.III.55.*	196	<i>Pionites m. melanocephalus</i>	? 3582 Fichtel	41.275
126	1806.III.56.	49	<i>Cyanoramphus ulietanus</i>	5616 Fichtel	50.687
127	1806.III.57.	55	<i>Pionus menstruus</i>	4945 Fichtel	-(1)-
128	1806.III.58.	37	<i>Pyrrhocorax graculus</i>	4267 Fichtel	-(1)-
129	1806.III.59.*	163	<i>Grallaria v. varia</i>	not traced	? 16.436
130	1806.III.60.	12	<i>Trogon v. viridis</i>	4785 Fichtel	55.046

<sup>13</sup> Purchased in 1923 from the Vienna collection.

v. FICHTEL'S (1873) Nr.	NMW Acqu. Nr.	v. PELZELN'S (1873) Nr.	Taxon	Sale Cat. Nr.	NMW Inv. Nr.
131	1806.III.61.*	125	<i>Aegotheles c. cristatus</i>	2774 Fichtel	50.472
132	1806.III.62.	15	<i>Todiramphus v. veneratus</i>	4251 Fichtel	50.633
133	1806.III.63.*	182	<i>Textor panicivorus</i>	66 Hall	-(1)-
134	1806.III.64.	26	<i>Dumetella carolinensis</i>	5485 Fichtel	64.420
135	1806.III.65.	13	<i>Todiramphus chloris sacer</i>	6084	50.577
136	1806.III.66. = I.App.114.	102	<i>Bucephala albeola</i>	34 last day but two Fichtel	63.427
137	1806.III.67.	100	<i>Anas sp. specularioides</i>	5591 Fichtel	39.803
138	1806.III.68.	28	" <i>Cittacincla macroura</i> "	not traced	-(1)-
139	1806.III.69.	32	<i>Hirundinea f. ferruginea</i>	6013 Fichtel	18.187
140	1806.III.70.*	169	<i>Attila s. spadiceus</i>	not traced	17.146
141	1806.III.71.	61	" <i>Eudynamys nigra</i> ♂"	6095	-(1)-
142	1806.III.72.*	223	<i>Pardirallus m. maculatus</i>	1414 Fichtel	38.423
143	1806.III.73.	93	<i>Porzana sp.? ♂</i>	not traced	-(1)-
144	1806.III.73.a	93	<i>Porzana s ? ♀</i>	not traced	-(1)-
145	1806.III.74.	98	<i>Chenonetta jubata</i>	1843 Fichtel	-(1)-
146 a	1806.III.75.*	197	<i>Calyptorhynchus l. lathami</i>	? 1097 Fichtel	50.025
146 b	1806.III.75.a	197	<i>Calyptorhynchus l. lathami</i>	? Latham coll.	50.027
147	1806.III.76.*	185	<i>Stagonopleura guttata</i>	? 5600 Fichtel	52.390
148	1806.III.77.*	136	<i>Acanthorhynchus t. tenuirostris</i>	? App.487 Brogden	52.075
149	1806.III.78.*	183	<i>Stagonopleura b. bella</i>	not traced	42.900
150	1806.III.79.*	140	<i>Philesturnus c. carunculatus</i>	54 last day but two Fichtel	35.335
151	1806.III.80.*	177	<i>Falcunculus frontatus</i>	? Latham coll.	57.789
152	1806.III.81.*	176	<i>Cracticus t. torquatus</i>	? Latham coll.	? 51.753
153	1806.III.82.*	195	<i>Glossopsitta pusilla</i>	not traced	49.969
154	1806.III.83.*	179	" <i>Pachycephala gutturalis</i> "	? Latham coll.	-(1)-
155	1806.III.84.*	178	<i>Pardalotus s. striatus</i>	? Latham coll.	-(1)-
156	1806.III.85.*	153	<i>Malurus l. lamberti</i>	Latham coll.	43.672
157	1806.III.86.*	168	" <i>Grauculus melanops</i> "	? Latham coll.	-(1)-
158	1806.III.87.*	194	<i>Lathamus discolor</i>	? Latham coll.	50.392
(159-162)			numbers not traced		
163	1806.III.88.	4	<i>Leucopternis albigollis</i>	1935 Fichtel	-(1)-
164	1806.III.89.	114	<i>Pelecanus erythrorhynchos</i>	24 last day but two Fichtel	84.373
(165-175)			numbers not traced		
176	1806.III.90.	88	<i>Ephippiorhynchus asiaticus australis</i>	1300 Fichtel	47.591
(177-178)			numbers not traced		
179	1806.III.91.	79	<i>Otis sp.</i>	1503	-(1)-
(180-181)			numbers not traced		
182	1806.III.92.*	123	<i>Tyto novaehollandiae castanops</i>	? Latham coll.	49.754
(183)			number not traced		
184	1806.III.93.*	124	<i>Podargus s. strigoides</i>	38 last day Fichtel	50.453
185	1806.III.94.	66	<i>Geopelia striata</i>	3605 Fichtel	? 66.137
186	1806.III.95.	68a	<i>Leucosarcia melanoleuca</i> ♀	1276 Fichtel	48.566
(187)			number not traced		
188 (186)	1806.III.96.	16	<i>Phaetornis superciliosus</i>	6354	-(1)-
189	1806.III.97.	17 = ? Suppl. 28.	<i>Lophornis ornatus</i>	6286 Donovan	2.495
190	1806.III.98.	7	" <i>Accipiter fuscus</i> "	4497 Fichtel	-(1)-
(191)			number not traced		
192	1806.III.99.	64	<i>Columba sp.</i>	4502 Sivers	-(1)-
(193)			number not traced		
194	1806.III. add.		" <i>Eggs of Cacatoe, Loris, Alca</i> "	not traced	-(2)-
195	1806.III.100. =1806.I.90. app.	39	<i>Euphagus c. carolinus</i>	5875	40.892

v. FICHTEL'S (1873) Nr.	NMW Acqu. Nr.	v. PELZELN'S (1873) Nr.	Taxon	Sale Cat. Nr.	NMW Inv. Nr.
196	1806.III.101.	73	<i>Turnix s. sylvaticus</i>	6004	? 52.954 -(1)-
197	1806.III.102.*	225	<i>Tribonyx mortieri</i>	? 3282	48.681
198	1806.III.103.*	127	<i>Caprimulgus carolinensis</i>	? 5986	42.519
199	1806.III.104.	24	<i>Platycichla f. flavipes „♂“</i>	2565 Fichtel	16.343
200	1806.III.104.a	24	<i>Mysadestes o. obscurus „♀“</i>	1413 Fichtel	51.478 -(1)-
(201)			number not traced		
202	1806.III.105.	25	<i>Mimus polyglottis orpheus</i>	3603 Fichtel	64.409
203	1806.III.106.	34	<i>Perisoreus canadensis</i>	3136 Fichtel	-(2)-
204	1806.III.107.	31	<i>Hylopezus m. macularius</i>	5870 Fichtel	16.443
205	1806.III.108.	36	<i>Urocissa e. erythrorhyncha</i>	3587 Fichtel	63.997
(206)			number not traced		
207	1806.III.109.*	203	<i>Cacomantis f. flabelliformis</i>	Latham coll.	50.890
208	1806.III.110.*	202	<i>Cuculus p. pallidus</i>	Latham coll.	50.876
209	1806.III.111.*	202	<i>Cuculus p. pallidus</i>	Latham coll.	50.880
210	1806.III.112.*	157	<i>Cinclosoma punctatum dovei ♂.</i>	? Latham coll.	57.419
211	1806.III.112.a*	157	<i>Cinclosoma punctatum dovei ♀.</i>	? Latham coll.	57.420
212	1806.III.11.*	133	<i>Merops ornatus</i>	not traced	50.826
213	1806.III.114.*	232	<i>Sterna fuscata serrata</i>	Latham coll.	48.937
214	1806.III.115.*	189	<i>Platycercus c. caledonicus</i>	Latham coll.	50.288
215	1806.III.116.*	175	<i>Colluricincla harmonica strigata</i>	Latham coll.	57.683
216	1806.III.116.a*	175	<i>Colluricincla harmonica strigata</i>	Latham coll.	57.684
217	1806.III.117.*	135	<i>Myzomela s. sanguinolenta</i>	33 last day but two Fichtel	52.059
218	1806.III.118.*	184	<i>Neochmia temporalis</i>	not traced	-(1)-
219	1806.III.119.*	161	<i>Ptilonorhynchus v. violaceus</i>	Latham coll.	36.088
220	1806.III.120.*	138	<i>Lichenostomus flavicollis</i>	Latham coll.	52.170
221	1806.III.121.*	160	" <i>Ocypterus sp.</i> "	? Latham coll.	-(1)-
222	1806.III.122.*	128	" <i>Caprimulgus ?</i> "	Latham coll.	-(1)-
223	1806.III.123.*	145	Gen.sp.	Latham coll.	-(1)-
224	1806.III.124.*	165	<i>Myiagra cyanoleuca</i>	Latham coll.	43.463
225	1806.III.125.*	121	<i>Ictinia plumbea</i>	? 1398	-(2)-
226	1806.III.126.*	173	<i>Xipholena punicea pompadora ♀.</i>	5368 Thompson	? 17.315
227	1806.III.127.*	148	<i>Xiphorhynchus p. picus</i>	not traced	16.015
228	1806.III.128.*	198	" <i>Picus passerinus juv.</i> "	3385 Fichtel	not traced
229	1806.III.129.*	143	<i>Manorhina melanophrys</i>	not traced	43.833
(230)			number not traced		
231	1806.III.130.	2	<i>Sarcoramphus papa</i>	? 35 last day	-(1)-
(232-240)			numbers not traced		
241	1806.III.131.	70	<i>Gallus gallus bankiva</i>	1923	-(1)-
242	1806.III.131.a.	70	<i>Gallus gallus bankiva</i>	1923	-(1)-
(243-247)			numbers not traced		
248	1806.III.132.	109	<i>Pagophila eburnea</i>	25 last day	? 54.001
249	1806.III.132.a	109	<i>Pagophila eburnea</i>	25 last day	-(1)-
250	1806.III.133.	65	<i>Columba leucocephala</i>	4478 Fichtel	44.591
251	1806.III.133.a.	65	<i>Columba leucocephala</i>	4478 Fichtel	-(1)-
252	1806.III.134.	58	<i>Phloeocastres m. melanoleucus</i>	1937 Fichtel	40.793
253	1806.III.135.	51	<i>Anadorynchus hyacinthinus</i>	6288	40.595
254	1806.III.136.	106	<i>Puffinus lherminieri dichrous</i>	6079	48.773
255	1806.III.137.	111	<i>Sula s. rubripes</i>	1840 Fichtel	49.585
256	1806.III.138.	105	" <i>Puffinus aequinoctialis</i> "	? 2775 Thompson	-(1)-
257	1806.III.139.	29	<i>Garrulax c. chinensis</i>	5943	-(1)-
258	1806.III.140.	29	<i>Garrulax c. chinensis ♂</i>	not traced	43.544
259	1806.III.141.	30	<i>Turnagra c. capensis ♂</i>	6834 Fichtel	50.754

V. FICHTEL'S (1873) Nr.	NMW Acqu. Nr.	V. PELZELN'S (1873) Nr.	Taxon	Sale Cat. Nr.	NMW Inv. Nr.
260	1806.III.141.a.	30	<i>Turnagra c. capensis</i> ♀	6834 Fichtel	-(1)-
261	1806.III.142.	33	<i>Strepera g. graculina</i>	2688	? 51.769 -(1)-
262 (263)	1806.III.143.*	226	<i>Hydrophasianus chirurgus</i> number not traced	not traced	64.482
264	1806.III.144.	60	<i>Clamator glandarius</i>	6077	? 31.274
265	1806.III.145.	5	<i>Falco sparverius caribaeorum</i>	5935	40.368
266	1806.III.146.	14	<i>Todiramphus s. sanctus</i>	6594 Fichtel	50.616
267	1806.III.147.	23	<i>Acrocephalus caffer longirostris</i> ♂	not traced	-(1)-
268	1806.III.147.a.	23	<i>Acrocephalus caffer longirostris</i> ♀	not traced	-(1)-
269	1806.III.148.*	119	<i>Ibycter americanus</i>	? 1398	39.900
270	1806.III.149.*	221	<i>Numenius phaeopus hudsonicus</i>	314 Donovan	39.058
271	1806.III.150.	45	<i>Zonotrichia albicollis</i>	1041 Fichtel	-(1)-
272	1806.III.150.a.	45	<i>Zonotrichia albicollis</i>	1041 Fichtel	-(1)-
273	1806.III.151.	52	<i>Charmosyna palmarum</i>	5795 Fichtel	41.027
274	1806.III.152.	40	<i>Agelaius h. humeralis</i>	4060 Fichtel	69.987
275	1806.III.163.	43	" <i>Hypochaera chalybeata</i> "	6063	-(1)-
276	1806.III.154. = 1806.I.202.	42	<i>Amadina erythrocephala</i>	1410 Fichtel	29.350 -(1)-
277	1806.III.155.	22	<i>Sitta p. pusilla</i>	6191	65.670
278	1806.III.156.	81	<i>Arenaria i. interpres</i>	5797	54.032
279	1806.III.157.* = 1806.I.129.	142	<i>Foulehaio c. carunculata</i>	6579 Fichtel	52.122
280	1806.III.177.	1	<i>Vultur gryphus</i> ♂	34 last day but one Fichtel	45.810
281	1806.III.158.	107	<i>Diomedea e. exulans</i>	37 last day but two Fichtel	13.648
282	1806.III.159.	113	<i>Pelecanus conspicillatus</i>	not traced	3.117
283	1806.III.160.*	231	<i>Diomedea e. exulans</i>	not traced	-(2)-
(284-285)			numbers not traced		
286	1806.III.161 *	150	<i>Menura n. novaehollandiae</i>	207 App. 2. day Fichtel	51.018
(287)			number not traced		
288	1806.III.162.	99	<i>Cygnus atratus</i>	58 last day but two	-(1)-
289	1806.III.163.	47	" <i>Buceros coronatus</i> "	not traced	-(1)-
(290-291)			numbers not traced		
292	1806.III.164.	21	<i>Anthonis melanura</i>	3056 Fichtel	-(1)-
293	1806.III.165.*	234	<i>Sula serrator</i>	not traced	-(1)-
(294)			number not traced		
295	1806.III.166.	6	<i>Falco novaeseelandiae</i>	1930 Fichtel	49.692
296	1806.III.167.	110	<i>Phaeton aethereus ?mesonauta</i>	1396 Fichtel	12.908
297	1806.III.168.	59	<i>Hyetornis pluvialis</i>	3066 Fichtel	55.147
298	1806.III.168.a.	59	<i>Hyetornis pluvialis</i>	35 last day but two Fichtel	55.149
299	1806.III.169.	86	<i>Egretta caerulea</i>	6195	-(1)-
300	1806.III.170.*	206	<i>Ortalis m. motmot</i>	735 Hall	37.996
301	1806.III.171.	85	<i>Ardea pacifica</i>	2220 Fichtel	47.479
(302)			number not traced		
303	1806.III.172.	94	<i>Porphyrio flavirostris</i>	1414 Fichtel	-(1)-
304	1806.III.173.	84	<i>Anthropoides virgo</i>	45 last day	47.497
305	1806.III.174.	90	<i>Mesembrinibis cayennensis</i>	6178	-(2)-
306	1806.III.175.	10	<i>Otus asio naevius</i>	? 1400 Hall	47.991
307	1806.III.176.	38	<i>Philesturnus carunculatus</i> ssp.	1035, 1036 Vaughan	-(1)-
308	1806.III.176.a.	38	<i>Philesturnus carunculatus</i> ssp.	1035, 1036 Vaughan	-(1)-
309	1806.III.178.*	193	<i>Glossopsitta c. concinna</i>	4246 Fichtel	49.947
310	1806.III.179.	76	<i>Tympanuchus p. phasianellus</i> ♀	5598 Fichtel	38.045

v. FICHTEL'S (1873) Nr.	NMW Acqu. Nr.	v. PELZELN'S (1873) Nr.	Taxon	Sale Cat. Nr.	NMW Inv. Nr.
311	1806.III.180.	57	<i>Calyptorhynchus b. banksii</i>	1097 Fichtel	50.022
312	1806.III.181.	63	<i>Carpophaga</i> sp.	? 6004	-(1)-
313	1806.III.182.*	224	<i>Aramides c. cajanea</i>	? App. 489*	38.442
314	1806.III.183.*	228	<i>Dendrocygna autumnalis</i> ♀	312 Smith	-(1)-
315	1806.III.184.*	216	<i>Butorides s. striata</i>	? 1938 Castleragh	-(1)-
316	1806.III.184.a.	216	<i>Butorides s. striata</i>	? 1047 Fichtel	? 39.609
(317-320)			numbers not traced		
321	1806.III.185.*	215	<i>Egretta novaehollandiae</i>	not traced	12.280
(322)			number not traced		
323	1806.III. add.		<i>Diomedea</i> sp.	not traced	not traced
(324)			number not traced		
325	1806.III.186.*	210	<i>Tetrao</i> sp.	not traced	-(1)-
?	-	-	"White tern, N-America"	2048 Fichtel	not traced
?	-	-	" <i>Tetrao tetrix</i> ♂ and ♀"	5614 Fichtel	not traced
-	1806.I.475.	-	<i>Campephilus p. principalis</i>	1105 Fichtel	50.765
-	1806.I.598.	-	<i>Acridotheres c. cristatella</i>	3067 Fichtel	3.192
-	1806.I.610.	-	<i>Euphagus c. carolinus</i>	313	43.072
-	1806.I.610.a	-	<i>Euphagus c. carolinus</i>	313	70.330
-	1806.II.8. = 1806.I.593. ♂	131	<i>Eurystomus g. glaucurus</i>	3580 Fichtel	9.383 -(1)-
-	1806.II.27.	167	<i>Terpsiphone p. paradisi</i>	? 5880	-(1)-
-	1806.II.52.	-	<i>Oxyruncus c. cristatus</i>	? 3920 Fichtel	18.521
-	1806.II.29.	204	<i>Cacomantis v. variolosus</i> .	not traced	? 50.891
-	1806.II.45.	-	" <i>Falco</i> sp."	not traced	not traced
-	1806.II.56.a	229	<i>Aix galericulata</i> ♀.	6600 Donovan	not traced
-	1807.V.6.	-	<i>Campephilus p. principalis</i> ♂	1285 Evans	50.807
-	1809.XVII.87.	-	<i>Campephilus p. principalis</i> ♀	1285 Evans	50.808
-	1809.XVII.78	-	<i>Promerops c. cafer</i>	see Walters (2004: 135)	28.485
6	1809.XVII.34.		<i>Euphagus c. carolinus</i>	313	70.335

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